

What is claimed is:

1. A coin identifying device where
a body has a coin slot in an upper part, a coin outlet in a
5 lower part, and a rotating body which is operated by a handle
and which is rotatably provided inside said body;
said rotating body has a coin containing section which can
store a plurality of coins in a stack which are inserted from
said coin slot;
- 10 said body has a plurality of locking members corresponding
to the correct number of coins,
said plurality of locking members are pressed in a stopping
direction by a respective elastic member, and can stop a
stopping edge of said rotating body at the time of rotation of
15 said rotating body and prevent rotation of said rotating body,
when the correct number of regular coins are not stored or a
false coin with a smaller diameter than a regular coin is stored
in said coin containing section; and
said plurality of locking members move opposite to the
20 stopping direction by contacting with a periphery of each
regular coin at the time of rotation of said rotating body to
enable rotation of said rotating body without said stopping edge
stopping said stopping edge of said rotating body so that said
plurality of coins in said coin containing section are
25 discharged from said coin outlet, when the correct number of the
regular coins are stored in said coin containing section;
- 30 wherein
said rotating body has a switching member rotatably
provided which changes the number of coins stored in said coin
containing section;

said coin containing section comprises a first coin containing section formed in said rotating body and a second coin containing section formed in said switching member; and

if said switching member is rotated in one direction
5 against said rotating body, said second coin containing section overlaps with said first coin containing section of said rotating body so that said coin containing section comprises said second coin containing section and said first coin containing section, and if said switching member is rotated in
10 the other direction against said rotating body, said second coin containing section separates from said first coin containing section of said rotating body so that said coin containing section only comprises said first coin containing section.

15 2. The coin identifying device according to claim 1, wherein said switching member has a guide edge which moves said locking member opposite to the stopping direction by contacting with said locking member at the time of rotation of said rotating body so as not to stop said stopping edge of said
20 rotating body, when said second coin containing section separates from said first coin containing section of said rotating body so that said coin containing section only comprises said first coin containing section.

25 3. The coin identifying device according to claims 1 or 2, wherein

 said coin containing section of said rotating body has an engaging clutch piece pressed toward the engaging direction; and
 said engaging clutch piece engages with one side of said
30 body at the time of rotation of said rotating body and prevents rotation of said rotating body when the correct number of the

regular coins are not stored or a false coin with different thickness than the regular coin is stored in said coin containing section, and moves opposite to the engaging direction and does not prevent rotation of said rotating body without 5 engaging with said one side of said body at the time of rotation of said rotating body when the correct number of the regular coins are stored in said coin containing section.

4. The coin identifying device according to claims 1, 2,
10 or 3, wherein

either one of said rotating body or said switching member has an engaging clutch convex portion or an engaging recess, and the other one of said rotating body or said switching member has first and second engaging recesses or first and second engaging 15 clutch convex portions; and

said switching member is positioned by said engaging clutch convex portion or said engaging recess engaging with said first engaging recess or said first engaging clutch convex portion, when said switching member is rotated in one direction against 20 said rotating body, and said second coin containing section overlaps with said first coin containing section of said rotating body so that said coin containing section comprises said second coin containing section and said first coin containing section, and

25 said switching member is positioned by said engaging clutch convex portion or said engaging recess engaging with said second engaging recess or said second engaging clutch convex portion, when said switching member is rotated in the other direction against said rotating body and said second coin containing 30 section separates from said first coin containing section of

said rotating body so that said coin containing section only comprises said first coin containing section.

5. A coin identifying device where

5 a body has a coin slot in an upper part, a coin outlet in a lower part, and a rotating body which is operated by a handle and which is rotatably provided inside said body;

10 said rotating body has a coin containing section which can store a plurality of coins in a stack which are inserted from said coin slot;

15 said body has a plurality of locking members corresponding to the correct number of coins,

20 said plurality of locking members are pressed toward a stopping direction by a respective elastic member, and can stop a stopping edge of said rotating body at the time of rotation of said rotating body and prevent rotation of said rotating body, when the correct number of regular coins are not stored or a false coin with a smaller diameter than the regular coin is stored in said coin containing section; and

25 said plurality of locking members move opposite to the stopping direction by contacting with a periphery of each regular coin at the time of rotation of said rotating body to enable rotation of said rotating body without stopping said stopping edge of said rotating body so that said plurality of coins in said coin containing section are discharged from said coin outlet;

30 wherein

35 said coin containing section of said rotating body has a mounting part to which a changing member is attached, said changing member changes the number of coins stored; and

said changing member is attached to one side of said body and is detachably provided.

6. A coin identifying device where
5 a body has a coin slot in an upper part, a coin outlet and a coin-return opening in a lower part, and a rotating body which is operated by a handle and which is rotatably provided inside said body;

10 said rotating body has a coin containing section and stands by at an initial position where coins inserted from said coin slot are stored in said coin containing section;

said body has a first locking member which is pressed toward a stopping direction by a first elastic member;

15 said first locking member stops a first stopping edge of said rotating body at the time of rotation of said rotating body in one direction from the initial position and prevents rotation of said rotating body, when no coin or a false coin with a smaller diameter than a regular coin is stored in said coin containing section; and

20 said first locking member moves opposite to the stopping direction by contacting with a periphery of a regular coin at the time of rotation of said rotating body from the initial position in one direction, enables rotation of said rotating body in one direction without stopping said first stopping edge of said rotating body, and discharges the coin in said coin containing section from said coin outlet, when a regular coin is stored in said coin containing section;

wherein

30 said rotating body has a coin passage which is connected with said coin containing section and in which a coin falls to said coin-return opening;

said body has a partition member which partitions said coin containing section and said coin passage; and

 said partition member partitions said coin containing section and said coin passage and prevents the coin in said coin containing section from falling to said coin passage at the time of rotation of said rotating body from the initial position in one direction, and does not partition said coin containing section and said coin passage so that the coin in said coin containing section falls to said coin passage and is returned to said coin-return opening at the time of rotation of said rotating body from the initial position in the other direction.

7. A coin identifying device where
 a body has a coin slot in an upper part, a coin outlet and
15 a coin-return opening in a lower part, and a rotating body which
 is operated by a handle and which is rotatably provided inside
 said body;

 said rotating body has a coin containing section and stands
 by at a position where coins inserted from said coin slot are
20 stored in said coin containing section;

 said body has a first locking member which is pressed
 toward a stopping direction by a first elastic member;

 said first locking member stops a first stopping edge of
 said rotating body at the time of rotation of said rotating body
25 from the initial position in one direction and prevents rotation
 of said rotating body, when no coin or a false coin with a
 smaller diameter than a regular coin is stored in said coin
 containing section; and

 said first locking member moves opposite to the stopping
30 direction by contacting with a periphery of a regular coin at
 the time of rotation of said rotating body from the initial

position in one direction to enable rotation of said rotating body in one direction without stopping said first stopping edge of said rotating body so that the coin in said coin containing section is discharged from said coin outlet, when a regular coin
5 is stored in said coin containing section;

wherein

said rotating body has a coin passage which is connected with said coin containing section and in which a coin falls to said coin-return opening, and further has a partition member
10 which partitions said coin containing section and said coin passage;

said partition member can move to a partition position to prevent a coin from falling and a non-partition position which allows a coin to fall, and is pressed toward said partition
15 position by a fourth elastic member; and

said body has an engaging member which does not engage with said partition member at the partition position and prevents the coin in said coin containing section from falling to said coin passage at the time of rotation of said rotating body from the
20 initial position in one direction, and which engages with said partition member at the partition position and moves said partition member to the non-partition position against the elasticity of said fourth elastic member so that the coin in said coin containing section falls to said coin passage and is
25 returned from said coin-return opening at the time of rotation of said rotating body from the initial position in the other direction.

8. A coin identifying device where

30 a body has a coin slot in an upper part, a coin outlet and a coin-return opening in a lower part, and a rotating body which

is operated by a handle and which is rotatably provided inside said body;

 said rotating body has a coin containing section and stands by at a position where coins inserted from said coin slot are
5 stored in said coin containing section;

 said body has a first locking member which is pressed toward a stopping direction by a first elastic member;

 said first locking member stops a first stopping edge of said rotating body at the time of rotation of said rotating body
10 from the initial position in one direction and prevents rotation of said rotating body, when no coin or a false coin with a smaller diameter than a regular coin is stored in said coin containing section; and

 said first locking member moves opposite to the stopping
15 direction by contacting with a periphery of a regular coin at the time of rotation of said rotating body from the initial position in one direction to enable rotation of said rotating body in one direction without stopping said first stopping edge of said rotating body so that the coin in said coin containing
20 section is discharged from said coin outlet, when a regular coin is stored in said coin containing section;

 wherein

 said rotating body has a coin passage which is connected with said coin containing section and in which a coin falls to
25 said coin-return opening, and further has a pair of coin stoppers between said coin containing section and said coin passage;

 said pair of coin stoppers can move to a closed position to prevent a coin from falling and an open position which allows a
30 coin to fall, and is pressed toward the closed position by a fourth elastic member; and

said body has an engaging member which does not engage with said pair of coin stoppers in the closed state and prevents the coin in said coin containing section from falling to said coin passage at the time of rotation of said rotating body from the 5 initial position in one direction, and which engages with said pair of coin stoppers in the closed state and moves said pair of coin stoppers to the open position against the elasticity of said fourth elastic member so that the coin in said coin containing section falls to said coin passage and is returned 10 from said coin-return opening at the time of rotation of said rotating body from the initial position in the other direction.

9. The coin identifying device according to claims 6, 7, or 8, wherein

15 said body has a second locking member which is pressed toward a stopping direction by a second elastic member; and
 said second locking member stops a second stopping edge of said rotating body and prevents rotation of said rotating body in the other direction, after said rotating body is rotated from 20 the initial position in the other direction and the coin in said coin containing section falls to said coin passage.

10. The coin identifying device according to either one of claims 6 or 9, wherein

25 said body has a positioning device which positions said rotating body at the initial position; and
 said positioning device comprises an engaging member which engages with an engaged part formed in said rotating body or in an axis of rotation provided substantially at the center of said 30 rotating body, and a third elastic member which presses said engaging member toward the engaging direction.

11. A coin identifying device comprising:

a body in which a coin slot is formed in an upper part, and
a coin outlet and a coin-return opening are formed in a lower

5 part;

a rotating body rotatably provided inside said body;

a partition member which is provided in said body and which
projects into said rotating body;

an opening provided at a periphery of said rotating body;

10 a coin containing section which is provided in said

rotating body, one end of which is connected to said opening,
and the other end of which can take either a position facing or
not facing said partition member according to rotation of said
rotating body; and

15 a coin passage which is formed in said rotating body to be
at an obtuse angle to said coin containing section, one end of
which is connected to the other end of said coin containing
section and the other end of which is connected to the exterior
of said rotating body;

20 wherein

when said rotating body is at the initial position where
said coin slot and said opening of said body meet and when said
rotating body is rotated from the initial position in one
direction, a coin inserted from said coin slot is prevented from
25 moving to said coin passage and is held in said coin containing
section, because said partition member faces the other end of
said coin containing section;

when said rotating body is rotated 90 degrees or more from
the initial position in one direction, the coin held in said
30 coin containing section is discharged from said coin outlet via
said opening due to the weight of the coin; and

when said rotating body is rotated from the initial position in the other direction, the coin held in said coin containing section is enabled to move to said coin passage, and is discharged from said coin-return opening via said coin

5 passage due to the weight of the coin, because the other end of said coin containing section does not face said partition member.

12. A coin identifying device comprising:

a body in which a coin slot is formed in an upper part, and

10 a coin outlet and a coin-return opening are formed in a lower part;

a rotating body rotatably provided inside said body;
an opening provided at a periphery of said rotating body;
a coin containing section which is provided in said

15 rotating body, and one end of which is connected to said opening;

a coin passage which is provided in said rotating body, one end of which is connected to the other end of said coin containing section, and the other end of which is connected to the exterior of said rotating body;

20 a partition member which is provided in said rotating body, which partitions said coin containing section and said coin passage, which can move to a partition position to prevent a coin from falling and a non-partition position so as to allow a coin to fall, and which is pressed toward said partition

25 position by a fourth elastic member; and

an engaging member which is provided in said body, which does not engage with said partition member at the partition position and prevents the coin in said coin containing section from falling to said coin passage at the time of rotation of

30 said rotating body from the initial position in one direction, and which engages with said partition member at the partition

position and moves said partition member to the non-partition position against the elasticity of said fourth elastic member so that the coin in said coin containing section falls to said coin passage and is returned from said coin-return opening at the
5 time of rotation of said rotating body from the initial position in the other direction;

wherein

when said rotating body is at the initial position where said coin slot and said opening of said body meet and when said
10 rotating body is rotated from the initial position in one direction, a coin inserted from said coin slot is prevented from moving to said coin passage and is held in said coin containing section, because said partition member does not engage with said engaging member and is at the partition position;

15 when said rotating body is rotated 90 degrees or more from the initial position in one direction, the coin held in said coin containing section is discharged from said coin outlet via said opening due to the weight of the coin; and

when said rotating body is rotated from the initial
20 position in the other direction, the coin held in said coin containing section moves to said coin passage, and is discharged from said coin-return opening via said coin passage due to the weight of the coin, because said partition member engages with said engaging member and moves to the non-partition position.

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13. A coin identifying device comprising:

a body in which a coin slot is formed in an upper part, and a coin outlet and a coin-return opening are formed in a lower part;

30 a rotating body rotatably provided inside said body;
an opening provided at a periphery of said rotating body;

a coin containing section which is provided in said rotating body, and one end of which is connected to said opening;

a coin passage which is provided in said rotating body, one end of which is connected to the other end of said coin

5 containing section, and the other end of which is connected to the exterior of said rotating body;

a pair of coin stoppers which are provided in said body, which close an opening between said coin containing section and said coin passage, which can move to a closed position to

10 prevent a coin from falling and an open position so as to allow a coin to fall, and which are pressed toward the closed position by a fourth elastic member; and

an engaging member which is provided in said body, which does not engage with said pair of coin stoppers in the closed 15 state and prevents the coin in said coin containing section from falling to said coin passage at the time of rotation of said rotating body from the initial position in one direction, and which engages with said pair of coin stoppers in the closed state and moves said pair of coin stoppers to the open position 20 against the elasticity of said fourth elastic member so that the coin in said coin containing section falls to said coin passage and is returned from said coin-return opening at the time of rotation of said rotating body from the initial position in the other direction;

25 wherein

when said rotating body is at the initial position where said coin slot and said opening of said body meet and when said rotating body is rotated from the initial position in one direction, a coin inserted from said coin slot is prevented from 30 moving to said coin passage and is held in said coin containing

section, because said pair of coin stoppers do not engage with said engaging member and are at the closed position;

when said rotating body is rotated 90 degrees or more from the initial position in one direction, the coin held in said
5 coin containing section is discharged from said coin outlet via said opening due to the weight of the coin; and

when said rotating body is rotated from the initial position in the other direction, the coin held in said coin containing section moves to said coin passage, and is discharged
10 from said coin-return opening via said coin passage due to the weight of the coin, because said pair of coin stoppers engage with said engaging member and move to the open position.